

# Push-in connector NPQE-D-Q6-E-F1A-P10

Part number: 8158789

**FESTO**



 General operating condition

## Data sheet

| Feature                                            | Value                                                                                                                                                                                                                          |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Size                                               | Mini                                                                                                                                                                                                                           |
| Nominal size                                       | 4 mm                                                                                                                                                                                                                           |
| Mounting position                                  | optional                                                                                                                                                                                                                       |
| Design                                             | Straight design                                                                                                                                                                                                                |
| Size of pack                                       | 10                                                                                                                                                                                                                             |
| Design                                             | Push-pull principle                                                                                                                                                                                                            |
| Variants                                           | Metals with copper, zinc or nickel by mass as main constituent are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils. |
| Operating pressure complete temperature range      | -0.095 MPa ... 0.8 MPa                                                                                                                                                                                                         |
| Operating pressure complete temperature range      | -0.95 bar ... 8 bar                                                                                                                                                                                                            |
| Operating pressure complete temperature range      | -13.775 psi ... 116 psi                                                                                                                                                                                                        |
| Operating medium                                   | Compressed air to ISO 8573-1:2010 [7:4:4]                                                                                                                                                                                      |
| Note on operating and pilot medium                 | Lubricated operation possible                                                                                                                                                                                                  |
| Corrosion resistance class CRC                     | 1 - Low corrosion stress                                                                                                                                                                                                       |
| LABS (PWIS) conformity                             | VDMA24364 zone III                                                                                                                                                                                                             |
| Suitability for the production of Li-ion batteries | Suitable for battery production according to the Festo internal definition of the degree of severity F1A with restrictions regarding the use of Cu/Zn/Ni                                                                       |
| Cleanroom class                                    | Class 4 according to ISO 14644-1                                                                                                                                                                                               |
| Ambient temperature                                | -5 °C ... 60 °C                                                                                                                                                                                                                |
| Product weight                                     | 1.87 g                                                                                                                                                                                                                         |
| Pneumatic connection, port 1                       | For tubing outside diameter of 6 mm                                                                                                                                                                                            |
| Pneumatic connection, port 2                       | For tubing outside diameter of 6 mm                                                                                                                                                                                            |
| Colour of release ring                             | Blue                                                                                                                                                                                                                           |
| Note on materials                                  | RoHS-compliant                                                                                                                                                                                                                 |
| Material housing                                   | PBT                                                                                                                                                                                                                            |
| Material release ring                              | POM                                                                                                                                                                                                                            |
| Material tubing seal                               | NBR                                                                                                                                                                                                                            |
| Material tubing clamp component                    | High-alloy stainless steel                                                                                                                                                                                                     |